

## ABSTRACT

A flexible thermoelectric module having a pair of flexible substrates, a plurality of electrically conductive contacts on one side of each of the flexible substrates, and a plurality of P-type and N-type thermoelectric elements electrically connected

5 between opposing sides of the pair of flexible substrates having the plurality of conductive contacts where the plurality of conductive contacts connect adjacent P-type and N-type elements to each other in series and where each of the P-type and N-type elements has a first end connected to one of the plurality of conductive contacts of one of the substrates and a second end connected to one of the plurality

10 of electrical contacts of the other of the substrates.